

2024

STC DIRECTORS MEETING



CEMB

Center for Engineering MechanoBiology

AUGUST 12-13, 2024

UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA | VIRTUAL

[REGISTRATION LINK](#) | [EVENT WEBSITE](#)

Day 1 | August 12 | Morning

8:45 AM Breakfast and Check-In

9:30 AM Welcome Remarks, Vivek Shenoy, CEMB Director

9:45 AM **Keynote Address: Building Symbiotic Collaborations with HBCU STEM Faculty and Departments**

Kinnis Gosha, PhD, Hortinius I. Chenault Endowed Professor of Computer Science, Morehouse College

This talk will strategically discuss HBCU STEM departments and how to engage them. Possessing firsthand experience with more than 18 awarded NSF grants in the last eight years, Dr. Kinnis Gosha will facilitate a candid discussion. Topics include (1) Relationship building with HBCU faculty, students, and administrators as subject matter experts, research collaborators, and colleagues. (2) Intentional budgets, publications, and measurable outcomes aligned with HBCU research goals and strategic plans. (3) What works and rarely works when collaborating on proposals, implementing projects, reporting data, and evaluating programs. Participants in this session will also leave with an HBCU CS Engagement Checklist to facilitate symbiotic partnerships.

10:30 AM Panel Discussion: Darius Melvin, Cornell University, CROPPS
Derrick Dean, Alabama State University, CEMB
Sarah Schreiner, University of Colorado Boulder, STROBE

11:15 AM Break

11:35 AM Communicating Your Science to Different Audiences, The Franklin Institute

12:35 PM Lunch



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Day 1 | August 12 | Afternoon

1:50 PM Panel on STC Progress

- 2013, 2016 - Sustainability and Legacy
- 2021 - Education and Engagement
- 2023 - Convergence and Team Science

3:25 PM Break

3:45 PM Breakout Sessions for Directors

- Directors, Managing Directors, Education, Broadening Participation, Knowledge Transfer

5:00 PM Reception

6:00 PM Dinner



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Day 2 | August 13 | Morning

9:30 AM Breakfast

10:00 AM **Fundamentals That Leaders Have to Get Right**
Bill Treasurer, Chief Encouragement Officer, Giant Leap Consulting

Description: Congratulations! You've assumed an important leadership role and are ready to help your center pursue grand scientific challenges. You aim to do a great job, and the center has mobilized an impressive team of top-notch scientists. But you also know that making scientific progress will take more than a solid plan, innovative research, and deeply committed teammates. It will take balancing the tensions between long-term aims and short-term urgencies, between overall center development and individual career development, and between striving for scientific consensus and driving for center results.

Being in a center leadership role isn't easy. There will be significant demands on your time. There will be competing priorities. There will be uneven levels of engagement and commitment. Being effective a center leader will require facing those challenges with thoughtfulness and intentionality. This interactive leadership workshop will provide center leaders with an opportunity to share common challenges while being introduced to some core leadership fundamentals to help lighten the leadership load.

Content includes:

- + A practical definition of the word "leadership."
- + Common challenges experienced by center leaders.
- + What bad leadership looks like, why it's so common, and how to avoid being a bad leader!
- + Essential practices and behaviors that underpin effective center leadership.
- + Specific tips for increasing your overall leadership impact.

12:00 PM Wrap Up and Concluding Remarks

12:05 PM Boxed Lunch



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Speaker Bios

Kinnis Gosha, PhD



Dr. Kinnis Gosha (pronounced Go-Shay) is the Hortinius I. Chenault Endowed Professor of Computer Science, Academic Program Director for Software Engineering, and Executive Director of the Morehouse Center for Broadening Participation in Computing. Dr. Gosha's research interests include conversational AI, social media data analytics, computer science education, broadening participation in computing, and culturally relevant computing. Gosha also leads Morehouse's Software Engineering degree program, where he builds collaborations with industry partners to provide his students with a variety of experiential learning

experiences. In October of 2022, Gosha took over as the Principal Investigator of the Institute for African-American Mentoring in Computing Sciences (IAAMCS), a Broadening Participation in Computing Alliance, funded by the National Science Foundation.

To date, 21 undergraduate researchers in his lab have gone on to pursue a doctoral degree in computing. PI Gosha currently has over 60 peer-reviewed publications in the area of Broadening Participation in Computing (BPC). Since arriving at Morehouse (2011), he has included undergraduate student researchers as co-authors in 26 peer-reviewed manuscripts. Gosha is very active in the BPC community serving as a regular paper and poster reviewer for the Tapia, SIGCSE, and RESPECT conferences. Currently, Gosha is the Co-Chair of the IEEE Special Technical Community for Broadening Participation and the founder and Co-Chair of the Black Issues in Computing Education (BICE) Symposium. Additionally, he is a newly elected board member of both the Computing Research Association and the National Science Foundation Computer and Information Science and Engineering (CISE) Advisory Committee.

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Speaker Bios

Bill Treasurer



Bill Treasurer is the founder of Giant Leap Consulting, a courage-building company. Bill is the author of six books including, *Leadership Two Words at a Time: Simple Truths for Leading Complicated People*. The book was awarded the Gold Medal from the North American Book Awards. Bill is also the author of the international bestseller, *Courage Goes to Work*. His courage-building workshops have been taught to thousands of executives in twelve countries on five continents.

For almost three decades, Bill has worked with leaders from such renowned organizations as NASA, Saks Fifth Avenue,

The Home Depot, UBS Bank, Spanx, eBay, Southern Company, Walsh Construction, and the U.S. Department of Veterans Affairs. Bill and his company have led many strategic planning engagements for NSF-sponsored scientific research centers as part of the STC and CCI programs.

Prior to founding Giant Leap Consulting, Bill served as an executive in Accenture's change management and human performance practice, eventually becoming the \$60-billion company's first full-time internal executive coach. Bill attended West Virginia University on a full athletic scholarship and earned his master's degree from the University of Wisconsin, Green Bay.

Bill lives in Asheville, North Carolina, with his wife Shannon, and their three teenagers, Bina, Alex, and Ian.